

EMERGENCY VEHICLE TECHNICIAN II

MAJOR FUNCTION

This is a skilled position, with very frequent physical labor and responsible for performing or assisting in the maintaining, repairing and refurbishing of County fire apparatus, vehicles and equipment.

ESSENTIAL FUNCTIONS

The following statements describe the principal functions of this job and its scope of responsibility, but should not be considered an all-inclusive listing of work requirements. Individuals may perform other duties as assigned, including working in other functional areas to cover absences or relief, to equalize peak work periods, or otherwise to balance the work load.

- Performs preventive maintenance services of County fire apparatus, vehicles and equipment. Services include changing oil, air and fuel filters.
- Diagnoses, maintains and repairs electrical systems, including but not limited to emergency lighting packages, multiplex systems, load managers and communications equipment.
- Diagnoses, maintains and repairs foam delivery systems, compressors, and compressed air foam systems.
- Installs and maintains communication systems, including radios, vehicle locator systems, GPS systems, intercoms, cellular phones, loud hailer, antennas, and wiring.
- Diagnoses, maintains and repairs braking system, to include both pneumatic and hydraulic components and ABS systems.
- Diagnoses, maintains and repairs suspension systems, air ride suspension, automatic pressure regulating systems, rack and pinion systems, heavy duty apparatus suspension and steering systems.
- Tests, inspects and maintains large fire pumps in accordance with prescribe fire protection standards and industry regulations.
- Participates in the design, planning, and fabrication of water shuttle vehicles, off-road fire apparatus, and various utility vehicles from new, rebuilt and salvaged parts and vehicles.
- Participates in the rebuilding and refurbishment of current, older fire apparatus, adhering to appropriate rotation cycles regarding engines/equipment service life; includes but is not limited to re-chassis transport vehicles, brush trucks, and light duty rescue vehicles.
- Responds to agricultural, industrial emergencies to assist fire, rescue and emergency medical services staff in critical incidents involving complex machinery and to provide equipment/vehicles/apparatus support services.
- Required to report to work at the appointed hour, as scheduled, and to work the entire assigned schedule.

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SECONDARY FUNCTIONS

- Assists in the repair of heavy equipment. Also assist in making repairs to Heating and Air-conditioning systems in a variety of vehicles/equipment.
- Operates computer to retrieve work information on the vehicle that is assigned for repairs and to record work completed.
- Moves parts, metals or various supplies to and from storage areas. Keep area clean by sweeping and removing trash, including carrying used parts to the recycling bin.
- Cross trains into other areas and help with other technicians with assigned work orders.
- Performs other tasks as assigned.

CUSTOMER SERVICE

This is a front-line position for providing excellent customer service to other County employees, and indirect customer service to members of the general public. Personal contact occurs with other employees of the unit, employees of other departments in the County, and customers of the department. Service is provided in person.

SUPERVISION

Occasionally functions as a lead worker for a small group of employees (1 or 2) in the absence of a designated lead position. May review the work product of others. Provides guidance, advice and assistance to others on work assignments.

EDUCATION, EXPERIENCE, LICENSES, AND CERTIFICATIONS

Education and Experience

High school or equivalent. Training which may include trade courses, apprenticeship, on the job training; with a minimum of three years experience in fleet/fire equipment maintenance and automotive repair field; or equivalent combination of education and experience.

Licenses

Must possess a valid state of Florida Driver License. EVOC required before operating any County owned vehicles. Possess or be able to obtain a valid Florida Commercial Driver License Class B within 180 days of assignment to the classification.

Certifications

Possess and maintain the following National Institute for Automotive Service Excellence (NIASE) certifications:

- A5 Automotive Brakes

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- T4 Truck Brakes

And two (2) additional certifications from the following:

- T1 Truck Gasoline Engines
- T2 Truck Diesel Engines
- T3 Truck Drive Trains
- T5 Truck Suspension & Steering
- T6 Truck Electrical Systems
- T7 or A7 Heating & Air Conditioning

And one (1) Emergency Vehicle Technician Certification Commission (EVT) certification from the following:

- F2 Design & Performance Standards and Preventive Maintenance of Fire Apparatus
- F3 Fire Pumps & Accessories
- F4 Fire Apparatus Electrical Systems
- F5 Aerial Fire Apparatus
- F6 Allison Automatic Transmissions

JOB SKILLS

To perform this job successfully, an individual must be able to perform each essential duty satisfactorily. The requirements are representative of the required knowledge, skills, and abilities.

Language Skills

- Ability to read and interpret documents such as safety rules, operating and maintenance instructions, and procedure manuals.
- Ability to speak effectively before groups of customers or employees of organization.

Mathematical Skills

- Ability to calculate figures and amounts such as discounts, interest, commissions, proportions, percentages, area, circumference, and volume.
- Ability to add, subtract, multiply, and divide in all units of measure, using whole numbers, common fractions, and decimals.
- Ability to compute rate, ratio and percent and to draw and interpret bar graphs.

Problem Solving Abilities

- Ability to apply common sense understanding to carry out detailed but uninvolved written or oral instructions.
- Ability to deal with problems involving a few concrete variables in standardized situations.

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- Requires some judgment in selection of procedures, methods, or tools, equipment to own work to accomplish tasks.

Specialized Skills and Abilities

- Knowledge of all automotive and fire apparatus components, principles, repair and maintenance standards and requirements applicable to the achieved certifications.
- Knowledge of mechanical principles of gasoline and diesel fueled internal combustion engines and automotive electrical systems.
- Ability to diagnose, trouble shoot and recommend a repair plan on a variety of equipment.
- Ability to work independently with general supervisory approval.
- Knowledge of the occupational hazards and safety precautions of the mechanic trade.
- Ability to use power tools and machines safely, and acquire knowledge of new tools, materials and systems dealt with on the job.
- Ability to comprehend detailed verbal narrative, schematic and complex diagrammatic instructions and directions.
- Ability to move heavy machine parts and metals.
- Ability to remain calm in stressful situations and cooperating with others, offering to help others when needed, and considering larger organization or team goals rather than individual concerns. Includes the ability to build a constructive team spirit where team members are committed to the goals and objectives of the team.

Machines and Equipment

To accomplish the task of this position, the employee will be required to operate the following machines and equipment: service truck, various air power tools, forklift, pneumatic vehicle lift, jacks and jack stands, acetylene torch, various tools associated with welding, grinder, various test equipment such as battery and alternator tester, and the various hand tools of the trade. Uses hoist, wrenches, gauges, drills, or other specialized automotive mechanic tools and equipment.

PHYSICAL DEMANDS

While performing the duties of this job, the employee will occasionally be required to sit, and lift up to one hundred pounds; will regularly be required to walk, climb or balance, stoop, kneel, crouch or crawl, and taste or smell; will frequently be required to lift up to twenty pounds, stand, use hand to finger, handle, feel, reach with hands and arms, talk and hear. Special vision requirements include close, distance, color, and peripheral vision, depth perception, and ability to adjust focus.

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WORK ENVIRONMENT

The work environment characteristics described here are representative of those an employee encounters while performing the essential functions of this job. While performing the duties of this job, the employee will occasionally be exposed to moving mechanical parts and risk of electrical shock. This employee will frequently be exposed to wet or humid conditions, fumes toxic or caustic chemicals, outdoor weather conditions, and extreme cold and heat. The noise level for this environment is loud.

Established: 10/99

Pay Grade: 13

Job Description Number: 7127

Category: 7

Status: NE

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